Curriculum Information
Spring 2015-16
Year 10

Non Mihi, Non Tibi, Sed Nobis
**English as a 1st Language (Ms Emily Cosnett)**

This term, students will be preparing for a piece of coursework which is an element of their IGCSE English Language qualification. Students will be responding to, evaluating and analysing a written argument and presenting their own responses and counter-arguments to the issues which they have identified within the article. For this coursework they will need to demonstrate their ability to respond to, and infer from texts, as well as their ability to articulate their ideas in a sophisticated manner.

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**English as a 2nd Language (Mr. Michael Hayes)**

IGCSE English as a second language students are currently studying how to skim and scan texts, to find the main points, and to answer questions in core and extended reading comprehension exercises. The goal here is to equip the students with the necessary techniques to successfully complete these type of questions in an exam setting. We have already looked at different types of writing styles; formal, summarisation and writing informally. The writing topics cover a wide range and include letter writing, form filling, writing for an audience and writing in the past tense. Students will also practise their listening and speaking skills as these will play a big part in their exam next year. We will also improve the students’ advanced grammatical knowledge by looking at word formation.

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**Extended Math (Ms. Yogeswari Boghan)**

This term will begin with: Area and Volume (Circumference of a circle, area of a circle, sectors, arcs three dimensional shapes, planes of symmetry, volume and surface area); Expression and formulae (Expanding brackets, solving equations , factorise, formulae); Indices (power, roots, all types of indices law), and revision of the previous topics will be part of this term too. Students will be exposed to past IGCSE questions in order to prepare for exams next year.

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**Science (Ms HuiYen – Biology; Mr John-Chemistry; Mr John-Physics)**

**BIOLOGY:** Students are beginning to explore and have a deeper understanding on the nutritional aspects of plants and animals as well as the transport systems in plants and animals. Students will be able to understand the food that we eat and how they are digested. After the half term, they will start learning about how the heart works and explore diseases that are closely related to humans. Answering techniques will be discussed after each assessments to improve students’ abilities to understand questions and to explain processes well in biological terms.

**CHEMISTRY:** Students will be studying the unit of Energy changes, and reversible reaction which includes the energy changes in reactions, energy from fuels, batteries, and reversible reactions, and the unit of the speed of a reaction which includes the rates of reaction, changing the rates of a reaction, catalysts and photochemical reactions.

**PHYSICS:** Students will be studying the unit of Waves and sounds which includes transverse and longitudinal waves, wave effects, sound waves, speed of sound and echoes, characteristics of sound waves and ultrasound, and the unit of Ray and waves which includes the light rays and waves, reflection, refraction, lenses, electromagnetic waves, and sending and storing waves.
### Additional Maths (Mr Shahrul Afzanizam)

This term, the focus will be on five topics of the IGCSE Additional Mathematics Curriculum namely Coordinates Geometry, Linear Law, Functions and Trigonometric Functions. The students are exposed to actual past year exam questions by practising past year IGCSE questions and problem solving. This is to continuously help them brush up their knowledge and understanding, as well as to build their confidence in Additional Mathematics as part of their preparation for IGCSE in 2017.

### Global Perspectives (Mr Andy Crompton)

This term, students will continue to research aspects of poverty and will write their Individual Research projects. Students will explore a variety of ways in poverty is responded to in different countries by different organisations. They will consider the causes and effects of poverty in different regions and will appraise the impact of possible solutions. As they progress through the unit, students will develop precise research skills through focused investigation of a range of sources. They will evaluate the validity of arguments and evidence and will formulate their own viewpoints. Students will also become progressively more able to produce extended analytical writing and structured reports. Lesson activities will include collaborative investigation, pair and group discussion, independent research and extended writing. Students will further extend skills in the second-half term when they redraft and refine their reports.

### History (Ms Jan Crompton)

Students in Year 10 are being slowly introduced to further and further elements of using sources and analysing them. Combined with this, there is a need for greater practice of exam style longer essay questions, which is the hallmark of a Cambridge IGCSE. The topics that we are studying are now going to focus further upon international relations and begin to examine the Cold War in detail. Particular studies will turn towards American policy of containment with specific case studies concentrating upon Korea, Cuba and Vietnam.

### ICT (Miss Shafinaz)

This term, students will learn the effects of using ICT- identifying capabilities and limitations of ICT, understanding how ICT has affected the way we do things and threats to ICT such as viruses, hacking and health issues. Students will also learn about ICT in everyday use and work related issues with ICT. In the second half of this term, students will be introduced to systems analysis and design, where students will learn to identify stages of the waterfall model of the systems life cycle.
**Business Studies (Ms Elena Kathiraven)**

This term we will focus on Business Finance and Accounting. The purpose of this unit is to give students an understanding of the role of finance in business. It probably relates less to students’ own experience than most other units and will, therefore, require greater guidance and more effort from the students. Much of this unit will be incorporated in the process of setting up and running a business. For the accounting topics, the emphasis is on the interpretation of accounts rather than the production of accounts. Students will be exposed to real accounts and what they tell them about the business.

**Economics (Ms Elena Kathiraven)**

During the first half of this term, students will focus on examining the functions of money and the need for exchange. They will then follow on to consider the functions of central banks, stock exchanges and commercial banks. The focus will then move to the labour market with an analysis of an individual’s choice of occupation, changes in earnings over time for an individual, differences in earnings of various groups of workers and the role of trade unions in an economy. The students will explore the different motives for spending, saving and borrowing and why different income groups have different expenditure patterns. The second half of the term will start by examining the different types of business organisation and why a business may change its structure over time, going on to evaluate the possible effects of such changes in structure.

**Mandarin as a 1st Language (Ms Pang Sook Yee)**

During this term, students will learn about the topic of China story. Through related video clips and other information, they will explore the culture and history of China more deeply. To improve their descriptive writing, students will develop the skill of describing people and events. Students will also improve their research and presentation skills by writing practice in class. They will also become familiar with the topic and test methods through doing past papers. They will also learn some creative writing skills during this term. At the end of the term, students will be able to write compositions of around 400-600 words.

**Mandarin as a 2nd Language (Ms. Soon Saw Imm)**

This term, the students will learn about “electrical appliances” and “life at home”. They will look at passages which will contain different types of sentence structure and vocabulary. These will be used as models for the students to create their own pieces of writing especially themed based writing. Group discussions will also enable students to have the opportunity to express themselves with more confidence. To prepare the students for the IGCSE Paper 1, students will be given listening tasks based on various themes. Students will be expected to write 80-100 words using appropriate vocabulary and sentence structure; and also an essay of 120-180 words.
**Bahasa Malaysia 1st Language (Ms. Rabiahtul Bazariah)**

Throughout this term in Bahasa Malaysia, Year 10 students will be working around the topics of sports and healthy living. They will be developing their skills in all four areas: listening, speaking, reading and writing. Students will be doing small groups activities and also role play. They will continue to work in groups as well as independently and will have the opportunity to expand their grammatical knowledge in order to further manipulate the language. This term, the students will be focusing on Two components of grammar: Simpulan Bahasa (Phrasal verbs) and Peribahasa (Idioms). This term we will focusing more on oral and writing skills based on IGCSE requirements so that students will be familiar with the format.

**Bahasa Malaysia 2nd Language (Ms.Pattnagowri Muniandy)**

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**Music (Ms Ellie Saunders)**

In Year 10, we have reached the Romantic era in music which will remain our focus for the first half term. Through various listening tasks, we will identify features of the romantic period which will then be used within the pupils’ compositions. The compositional element to the unit will ready the pupils for their coursework compositions later in the course. To develop performance skills further, the pupils will practise a 6-hands piano piece which they will then perform in the Twilight Concert this term. This could eventually become part of pupil ensemble performances for coursework. We will continue to develop theory knowledge alongside also. The second half term will lead on to 20th Century musical styles.

**Physical Education (Mr. Kam Yin Boey)**

This term, group 1 will complete a unit of Football, where students will build upon skills previously learned and develop different aspects of skill and physical fitness. A range of activities will be completed to improve their ability to pass a ball over different distances whilst stationary or moving, perform basic block tackles when defending, use an efficient and legal throwing action for a throw-in and shoot towards goal with some accuracy. Group 2 will complete a unit of Basketball, where students will learn when it is appropriate to use certain passing techniques, how to catch and control a ball in difficult situations, play in a variety of positions, shoot with some accuracy and follow basic rules during gameplay.
Art (Mr. Hasfis)

This term, Year 10 will study design and rendering. They will be exposed to various types of design. Students will be allowed to choose which design they will take as their project. Students will study perspective drawing, realistic rendering, idea development and will make a mock model of their design. For this project, students will be exposed to new media and materials.

Geography (Mr. Charlie Grayhurst)

Students in Year 10 continue to pick up the pace, as they look to cover the core content, as well as develop past paper skills which are vital for their success in the future. IGCSE Geographers will begin the term with a brief unit upon Plate Tectonics, concentrating upon why volcanoes and earthquakes occur, as well as some case studies upon the impacts they have, both in MEDCs and LEDCs. Consequently, the group shall then move onto employment structures and international development. This will include concepts of trade, aid and sustainable development.
## Upcoming Events

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<td>29 January</td>
<td>International Award Expedition</td>
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<td>1 February</td>
<td>Year 6/9/11 Parents Evening</td>
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<td>Year 6/9/11 Exam Payment Deadline</td>
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<td>1 March – 4 March</td>
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